XP-002193173 HCA COPYRIGHT 2002 ACS Polyamide fibers resistant to discoloration by chlorine and their 121:37554 HCA AN TI Chiba, Shuji; Arimatsu, Giichi; Ido, Yoshinori; Shirasu, Koji; Suzuki, IN Hajime Toyo Boseki, Japan PA Jpn. Kokai Tokkyo Koho, 9 pp. SO CODEN: JKXXAF Patent DT Japanese LΑ ICM D01F006-90 IC ICS D01F001-10; D01F006-60; D01F011-08; D06M013-152 D06M101-34 ICI 40-2 (Textiles and Fibers) CC FAN.CNT 1 DATE APPLICATION NO. KIND DATE PATENT NO. JP 1992-205488 19920731 **A2** 19940301 The title fibers are prepd. by melt spinning compns. comprising polyamides PΙ and mono- and/or polyhydroxybenzene compds. (A) with a specified structure AB or treating spun polyamide fibers with solns. contg. A to form fibers contg. 0.1-20% A. A compn. comprising nylon 6 and 5% bisphenol A was melt spun and drawn to give fibers resistant to discoloration by Cl. A knit comprising this fiber and spandex fibers was prepd., dyed, treated with a tannin fixing agent, and heat set at 160.degree. to give a knit with chlorine fastness rating (gray scale) 4-5. polyamide fiber chlorine discoloration resistance; bisphenol A polyamide fiber chlorine resistance; biphenol polyamide fiber chlorine resistance; ST hydroxyphenyl sulfone polyamide fiber chlorine resistance; spandex polyamide blend chlorine discoloration resistance Spandex fibers IT RL: USES (Uses) (blends with polyamide fibers, resistant to discoloration by chlorine) Polyamide fibers, preparation IT RL: PREP (Preparation) (manuf. of, contg. bisphenol compds., resistant to discoloration by chlorine) Discoloration prevention (of polyamide fibers, by bisphenol compds. for reaction with chlorine) IT 25038-54-4P, Nylon 6, preparation IT RL: PREP (Preparation) (fiber, contg. bisphenol compds., resistant to discoloration by chlorine) 80-09-1, 4,4'-Dihydroxydiphenyl sulfone 80-05-7, uses IT 620-92-8, 4,4'-Methylenebisphenol [1,1'-Biphenyl]-4,4'-diol 27100-33-0, Bisphenol A homopolymer RL: USES (Uses) (polyamide fibers contg., for resistance to discoloration by chlorine) 7782-50-5, Chlorine, miscellaneous IT RL: MSC (Miscellaneous) (resistance to discoloration by, of polyamide fibers contg. bisphenol compds.)